Date Printed: 06/27/2017 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2017

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	13.3	15.5	16.1	17.5	2.21	2.88	4.25	.67	2.04
01:00	12.6	14.6	15.1	16.5	1.94	2.51	3.88	.56	1.93
02:00	12.2	13.7	14.4	15.2	1.57	2.22	3.00	.65	1.43
03:00	11.7	13.1	13.6	14.2	1.38	1.88	2.47	.50	1.08
04:00	11.3	12.6	13.2	14.3	1.24	1.89	2.99	.65	1.75
05:00	11.1	12.1	12.8	13.4	1.01	1.68	2.30	.66	1.29
06:00	11.0	12.0	12.5	13.1	1.01	1.50	2.13	.49	1.11
07:00	12.9	12.8	13.1	13.7	-.01	.25	.85	.26	.86
08:00	15.2	14.9	14.8	15.0	-.27	-.41	-.18	-.14	.10
09:00	18.2	17.8	17.6	17.5	-.40	-.65	-.71	-.25	-.31
10:00	21.6	21.0	20.7	20.6	-.62	-.89	-1.00	-.27	-.38
11:00	23.2	22.5	22.2	22.0	-.70	-1.03	-1.19	-.33	-.48
12:00	23.9	23.3	23.1	22.9	-.56	-.82	-.96	-.26	-.41
13:00	23.8	23.4	23.2	23.2	-.39	-.62	-.66	-.22	-.27
14:00	23.9	23.4	23.3	23.3	-.47	-.60	-.58	-.13	-.11
15:00	24.1	23.6	23.3	23.3	-.50	-.76	-.81	-.26	-.32
16:00	24.9	24.2	23.9	23.8	-.65	-.96	-1.11	-.31	-.46
17:00	25.6	24.8	24.5	24.3	-.78	-1.08	-1.28	-.30	-.50
18:00	25.3	24.7	24.5	24.4	-.60	-.84	-.94	-.23	-.34
19:00	23.4	24.2	24.1	24.1	.83	.75	.73	-.08	-.10
20:00	19.4	23.1	23.4	23.5	3.72	3.99	4.13	.27	.41
21:00	17.0	21.0	22.6	22.9	4.01	5.60	5.88	1.59	1.87
22:00	15.4	17.9	19.0	20.2	2.41	3.58	4.79	1.16	2.37
23:00	14.5	16.7	17.5	18.6	2.20	3.08	4.17	.89	1.98
Avg	18.1	18.9	19.1	19.5	.73	.96	1.34	.23	.61
Max	25.6	24.8	24.5	24.4	4.01	5.60	5.88	1.59	2.37
Hr. of Max	17	17	18	18	21	21	21	21	22
Min	11.0	12.0	12.5	13.1	-.78	-1.08	-1.28	-.33	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/27/2017 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2017

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	10.8	10.5	11.6	23.0	86.2	73.4	9.8	9.6	0.008253
01:00	10.8	10.8	11.4	22.8	89.8	79.0	9.8	9.8	0.008259
02:00	10.7	11.1	11.2	22.5	92.0	85.6	9.8	10.0	0.008203
03:00	10.6	11.6	11.0	22.3	94.2	91.8	9.8	10.4	0.008156
04:00	10.4	11.7	10.7	22.0	95.1	95.7	9.6	10.4	0.008016
05:00	10.3	11.6	10.6	21.8	96.0	97.9	9.6	10.4	0.007991
06:00	10.3	11.6	10.5	21.6	96.3	98.3	9.5	10.4	0.00795
07:00	11.9	12.0	12.2	21.3	95.4	96.3	10.6	10.7	0.008894
08:00	13.0	12.7	13.7	21.2	88.2	88.1	11.3	11.1	0.009547
09:00	13.8	13.2	15.3	21.0	77.0	75.7	11.8	11.3	0.010133
10:00	13.3	12.5	16.1	21.0	60.6	59.7	11.3	10.7	0.009807
11:00	13.1	12.3	16.5	21.2	54.3	53.7	11.1	10.6	0.00971
12:00	13.2	12.5	16.8	21.4	52.5	51.5	11.2	10.7	0.009792
13:00	15.4	14.9	18.2	21.7	60.7	60.0	12.9	12.5	0.011294
14:00	15.5	14.7	18.3	21.9	61.0	59.4	13.0	12.3	0.011368
15:00	15.4	14.9	18.3	22.1	59.9	59.4	12.9	12.4	0.011322
16:00	14.1	13.4	17.7	22.2	52.5	52.1	11.8	11.3	0.010419
17:00	13.2	12.5	17.3	22.3	47.3	47.3	11.1	10.6	0.009802
18:00	11.9	11.2	16.3	22.5	44.2	43.7	10.2	9.8	0.009002
19:00	11.7	9.5	15.6	22.6	49.3	40.3	10.1	8.8	0.008868
20:00	13.5	10.0	15.5	22.6	70.3	44.5	11.5	9.1	0.009964
21:00	12.8	10.0	14.2	22.6	77.6	50.5	11.1	9.1	0.009495
22:00	12.2	11.3	13.3	22.4	82.0	66.7	10.7	10.0	0.009078
23:00	11.9	11.3	12.8	22.3	85.9	72.0	10.5	10.1	0.008923
Avg	12.5	12.0	14.4	22.0	73.7	68.4	10.9	10.5	0.009344
Max	15.5	14.9	18.3	23.0	96.3	98.3	13.0	12.5	0.011368
Hr. of Max	14	15	15	00	06	06	14	13	14
Min	10.3	9.5	10.5	21.0	44.2	40.3	9.5	8.8	0.00795
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/27/2017 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2017

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.008109	13.0	12.8	.00	29.27	991.3	-2.0	.00	76.2
01:00	0.008236	13.0	13.0	.00	29.26	991.1	-2.7	.00	49.0
02:00	0.008454	12.9	13.3	.00	29.26	990.9	-2.7	.00	44.4
03:00	0.008712	12.8	13.7	.00	29.25	990.5	-2.3	.00	63.0
04:00	0.008755	12.6	13.7	.00	29.25	990.6	-3.0	.00	354.1
05:00	0.008707	12.6	13.7	.00	29.26	990.8	-2.7	.00	92.6
06:00	0.008678	12.5	13.6	.00	29.27	991.1	11.4	.02	227.6
07:00	0.008962	14.0	14.1	.00	29.27	991.4	98.0	.14	218.3
08:00	0.009369	15.0	14.7	.00	29.28	991.5	218.9	.31	176.4
09:00	0.009711	15.9	15.2	.00	29.28	991.5	435.8	.62	173.7
10:00	0.009289	15.4	14.6	.00	29.28	991.5	603.2	.86	187.1
11:00	0.009187	15.2	14.4	.00	29.27	991.3	670.5	.96	201.8
12:00	0.009296	15.4	14.6	.00	29.26	990.8	444.3	.64	191.8
13:00	0.010891	17.7	17.0	.00	29.25	990.5	287.8	.41	213.4
14:00	0.010766	17.8	16.8	.00	29.23	990.0	272.1	.39	244.8
15:00	0.010894	17.7	17.0	.00	29.22	989.6	385.3	.55	221.9
16:00	0.009934	16.3	15.5	.00	29.20	988.8	501.7	.72	213.9
17:00	0.009358	15.3	14.6	.00	29.18	988.1	484.3	.69	260.8
18:00	0.00859	14.1	13.5	.00	29.17	987.7	349.7	.50	298.6
19:00	0.007681	13.9	12.0	.00	29.16	987.6	224.6	.32	313.4
20:00	0.007936	15.6	12.4	.00	29.16	987.5	19.4	.03	290.9
21:00	0.007888	14.8	12.4	.00	29.16	987.7	-1.7	.00	326.8
22:00	0.00861	14.2	13.5	.00	29.18	988.1	-2.0	.00	49.4
23:00	0.008603	14.0	13.5	.00	29.19	988.6	-2.1	.00	255.6
Avg	0.009026	14.7	14.2	.00	29.23	989.9	207.7	.30	231.0
Max	0.010894	17.8	17.0	.00	29.28	991.5	670.5	.96	354.1
Hr. of Max	15	14	15	23	10	10	11	11	04
Min	0.007681	12.5	12.0	.00	29.16	987.5	-3.0	.00	44.4
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/27/2017 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2017

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	40.2	339.9	283.3	316.6	44.8	5.6	20.1	.0	.2
01:00	56.9	57.7	293.4	40.3	32.4	12.3	46.7	.1	.8
02:00	36.9	137.3	338.8	134.1	62.2	48.5	43.6	.2	.5
03:00	52.9	69.2	291.3	61.0	24.7	11.8	12.0	.0	.8
04:00	66.7	66.7	294.8	45.2	30.3	24.7	33.7	.7	.6
05:00	275.7	213.8	253.0	245.7	54.9	34.7	10.0	.4	.6
06:00	271.5	254.7	257.2	258.9	51.7	38.8	51.1	.6	1.1
07:00	241.2	238.1	232.5	233.3	28.9	11.8	8.6	1.3	1.7
08:00	229.3	241.3	217.0	237.9	33.7	22.6	53.6	.5	.6
09:00	204.9	217.2	191.6	212.9	27.8	24.0	28.3	1.7	1.8
10:00	210.8	219.8	193.6	212.7	27.3	24.6	24.1	2.8	3.0
11:00	214.1	212.8	204.8	207.8	28.6	18.4	15.7	3.4	4.4
12:00	206.1	203.7	200.4	198.1	24.9	23.0	21.5	2.5	3.0
13:00	234.8	232.1	220.3	228.2	25.9	20.6	15.6	2.3	3.2
14:00	251.6	250.7	249.5	246.1	35.4	16.1	10.8	2.6	3.7
15:00	237.5	239.6	226.3	235.7	21.3	14.3	10.4	3.3	4.5
16:00	228.5	226.1	215.8	222.0	25.3	19.3	13.9	4.1	5.2
17:00	268.8	271.2	257.5	264.7	44.5	34.2	28.7	2.6	3.3
18:00	303.2	303.5	292.7	294.8	36.9	24.0	20.4	3.0	4.2
19:00	311.2	313.0	293.0	304.2	47.8	24.2	20.5	1.4	2.7
20:00	301.6	304.0	283.7	295.7	18.2	11.9	10.0	1.9	3.5
21:00	311.5	310.7	305.0	301.7	33.5	11.4	8.5	1.4	4.2
22:00	38.0	195.3	13.2	197.0	59.6	64.2	24.9	.3	.7
23:00	234.2	225.5	268.1	220.5	45.3	31.9	14.6	.7	.8
Avg	264.0	244.0	257.0	244.0	36.1	23.9	22.8	.0	.0
Max	311.5	339.9	338.8	316.6	62.2	64.2	53.6	4.1	5.2
Hr. of Max	21	00	02	00	02	22	08	16	16
Min	36.9	57.7	13.2	40.3	18.2	5.6	8.5	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/27/2017 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2017

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	.2	.1	.2	.2	.5	.6	1.0	-.7	.01
01:00	.1	.2	.8	.1	.6	.5	.7	.0	.00
02:00	.2	.5	.5	.4	.9	.7	1.5	-.4	.01
03:00	1.4	.1	.8	1.4	.6	1.7	-.1	-.2	.00
04:00	.5	.9	.8	.7	1.3	1.0	2.6	.5	.03
05:00	.8	.7	1.0	.8	1.1	1.0	1.6	-.6	.02
06:00	1.1	.6	1.1	1.2	1.2	1.5	.9	.2	.02
07:00	2.0	1.4	1.7	2.0	1.9	2.2	.5	-.2	.00
08:00	.3	.6	.7	.4	1.4	.7	6.0	-1.9	.18
09:00	1.8	1.9	1.9	2.0	2.3	2.4	.4	-10.2	-.01
10:00	3.0	3.1	3.3	3.3	3.5	3.9	1.0	-3.3	.05
11:00	5.1	3.9	4.6	5.3	4.4	5.8	.2	-.6	-.07
12:00	3.5	2.8	3.3	3.7	3.3	4.1	1.8	.2	.02
13:00	4.3	2.5	3.4	4.5	3.0	4.9	3.8	2.5	.03
14:00	4.9	2.8	3.9	5.1	3.2	5.5	.5	-1.4	-.13
15:00	5.2	3.5	4.6	5.3	3.9	5.7	2.5	-1.3	-.02
16:00	6.3	4.4	5.5	6.5	5.1	7.1	1.3	1.9	-.03
17:00	4.0	3.8	4.7	5.5	4.2	5.9	-.5	-.7	-.20
18:00	5.2	3.7	4.7	5.7	4.1	6.1	-4.1	-6.0	-.44
19:00	3.9	1.6	2.9	4.1	2.0	4.4	1.0	-1.8	-.07
20:00	5.2	2.0	3.6	5.2	2.0	5.1	-2.1	-4.0	-.10
21:00	6.6	1.5	4.3	6.7	1.7	6.5	2.5	-2.3	.06
22:00	1.0	.7	1.4	2.0	1.0	2.2	3.0	.0	.05
23:00	1.8	.8	.9	2.0	1.3	2.2	.6	-.6	.01
Avg	.0	1.8	2.5	3.1	2.3	3.4	1.1	-1.3	-.02
Max	6.6	4.4	5.5	6.7	5.1	7.1	6.0	2.5	.18
Hr. of Max	21	16	16	21	16	16	08	13	08
Min	.1	.1	.2	.1	.5	.5	-4.1	-10.2	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

Date Printed: 06/27/2017 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

6/26/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.01	1.4	1.4	1.6	7.3	6.2	16.0	18.0
01:00	.00	1.6	2.1	.9	6.5	4.6	15.1	17.0
02:00	.00	3.2	1.6	1.6	7.8	5.6	14.3	15.7
03:00	.00	1.8	2.7	2.3	6.5	2.8	13.8	14.8
04:00	.03	3.7	3.4	3.2	8.0	5.8	13.2	14.9
05:00	-.01	5.3	3.7	3.0	7.6	6.6	12.8	14.0
06:00	.01	2.3	3.0	3.4	6.5	4.8	12.6	13.7
07:00	.01	2.7	5.0	4.8	13.1	6.2	13.6	14.2
08:00	-.02	3.2	2.7	2.1	23.6	14.1	15.7	15.6
09:00	-.42	4.6	4.8	4.8	22.4	19.9	18.6	18.0
10:00	-.23	7.3	7.1	6.9	19.8	20.5	21.5	20.9
11:00	-.20	9.4	9.2	9.6	18.1	17.0	23.0	22.2
12:00	-.11	11.2	8.7	11.0	20.8	19.4	23.9	23.2
13:00	.11	6.2	7.6	8.5	20.7	12.6	24.3	23.6
14:00	-.18	11.0	12.8	12.1	17.7	8.8	24.2	23.7
15:00	-.22	8.9	9.4	9.8	18.9	9.4	24.4	23.7
16:00	.10	11.0	16.9	14.0	18.7	12.7	24.8	24.0
17:00	-.27	15.3	20.6	17.9	23.8	18.9	25.4	24.6
18:00	-.78	9.2	11.7	13.5	19.9	14.3	25.3	24.6
19:00	-.36	6.2	9.4	16.9	21.4	15.4	24.7	24.2
20:00	-.43	5.3	7.1	8.5	9.6	7.8	23.6	23.7
21:00	-.31	5.0	10.8	13.5	16.5	7.4	21.0	23.0
22:00	.07	2.5	6.6	14.2	13.2	10.1	18.4	20.6
23:00	-.03	2.7	2.3	3.9	5.7	4.1	17.3	19.2
Avg	-.14	5.9	7.1	7.8	14.8	10.6	19.5	19.9
Max	.11	15.3	20.6	17.9	23.8	20.5	25.4	24.6
Hr. of Max	13	17	17	17	17	10	17	18
Min	-.78	1.4	1.4	.9	5.7	2.8	12.6	13.7
Count	24	24	24	24	24	24	24	24
Total								